

Project Greenhouse Gas Emissions and Reductions Summary - New Wineries

The Napa County Climate Action Plan requires that staff calculate for all projects the GHG emissions in 2020 of all discretionary projects assuming "business as usual" (BAU) conditions, and that applicants reduce those emissions by 38%. The required 38% reduction in GHG emissions can be achieved through a combination of state level policies and programs, County level policies and programs, on-site project level actions and contributions to the Napa County GHG reduction fund. This sheet contains results of calculations completed to demonstrate that the project has achieved the required 38% reduction target in 2020.

15 Chateau Lane P12-001585

		(MT CO2e)
A. PROJECT'S BAU	EMISSIONS IN 2020	89
Energy Us	e, Mobile, Area, Water and Wastewater, Solid Waste	89
Fug	itive Emissions from Winery Wastewater if applicable	
Land Use Change	one time loss in carbon stock + loss in sequestration)	
B. PROJECT'S TARG	GET EMISSIONS IN 2020	64
72% of BA	U Emissions (BAU - 38%)	
C. PROJECT'S TARG	GET EMISSIONS REDUCTIONS IN 2020	28
BAU Emis	sions - Target Emissions (A-B)	
). GHG REDUCTIO	NS FROM STATE LEVEL PROGRAMS	4
	Energy	
	Mobile	3
	Other	TBD

Target Build-Out Year: 2020

E.	GHG REDUCT	IONS FROM	LOCAL	PROGRAMS	AND
PF	ROJECT LEVEL	ACTIONS			

Energy Mobile Other

Land Use Change

Total Stock at 100 years (Reference): 0.00 Land Use Change

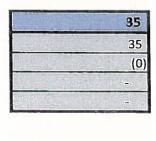
G. TOTAL GHG REDUCTIONS IDENTIFIED

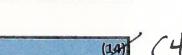
Project Name:

State + Local + Project (D + E); Compare to Box C above

H. PURCHASED IN THE NAPA GHG REDUCTION BANK

Balance of reductions needed to reach target (C-G)





Checklist of Voluntary Greenhouse Gas Emission Reduction Measures



An addendum to the Entitlement Application and a supplement for Initial Studies as required by CEQA

	PROJECT NAME	Chateau Lane Wine	∍ry	
	PROJECT ADDRES	15 Chateau Lane, Napa, CA 94558		
No.	APPLICANT	Joseph Pierret		
	on of Stewardship CONTACT INFO	jpierret@sbcglobal.	. net 408-206-1624	,
·	ou designed to U.S.G.B.C.™ LEED™ or Build If yes, please include a copy of the have an integrated design team? if yes, please list:		yes no I don't know	1
3.2 3.3 3.4 3.5 3.6 3.7 3.8	Does your design encourage community gather Are you building on existing disturbed areas? Landscape Design 3.31 native plants? 3.32 drought tolerant plants? 3.33 Pierce Disease resistant planting? 3.34 Fire resistant planting? 3.35 Are you restoring open space and/3.36 Are you harvesting rain water on si 3.37 planting large trees to act as carbo	or habitat? te? n sinks? for drive access and walking surfaces detention/filration methods designed? atural features, such as preserving e disturbance, such as minimizing gradicave design)?	X X X existing trees or rock outcroppings? X ing and/or using the existing X	
	GY PRODUCTION & EFFICIENCY		h	7
12.6kW solar panels installed	Does your facility use energy produced on site If yes, please explain the size, location, and p d on ground Jan 2009. 89% offset of kWh,	ercentage of off-set: 97% offset of elec bill. Panels pr	roduce 18.6MHw per year & anni	ual usage is 20.9MWh
4.3 4.4 5 WATE 5.1 5.2 5.3 5.4	4.41 High density insulation above Title 4.42 Zones for heating and cooling to p 4.43 Energy Star™ or ultra energy effic 4.44 A "cool" (lightly colored or reflectiv 4.45 Timers/time-outs installed on light If yes, please explain: Bathrooms, offices ER CONSERVATION Does your landscape include high-efficiency is 1 your project in the vicinity to connect to the Will your facility use recycled water? 5.41 If no, will you prepare for it by pre- Will your plans for construction include: 5.51 a meter to track your water usage' 5.52 ultra water efficient fixtures and ap 5.53 a continuous hot water distribution	24 standards? rovide for maximum efficiency? cient appliances? e) or a permeable/living roof? s (such as the bathrooms)? & lab will have motion sensor sh rrigation? Napa Sanitation reclaimed water? installing dual pipes and/or purple line pipliances? method, such as an on-demand pum	X X X X X X x ut-off switches for lights. X X X X X X X X X X X X X X X X X X	
	5.54 a timer to insure that the systems	are run only at night/early morning?	X	1

6	MATE	DIAL DECYCLING		yes	no	
6		RIAL RECYCLING	,			
	6.1	Are you using reclaimed materials?			Χ	i
		If yes, what and where:				
	6.2	Are you using recycled construction ma	aterials-			
		6.21 finish materials?			Х	
		6.22 aggregate/concrete road su	ırfaces?			X
		6.23 fly ash/slag in foundation?			X	
		,				
	6.3	Will your contractor be required to reco	cle and reuse construction materials as part o	f vour cont	ract?	
	0.0	vviii your contractor be required to recy	rcie and reuse construction materials as part o	your conti	act	
						X
	6.4	Does your facility provide access to re-	cycle-			
		6.41 Kitchen recycling center?			Χ	
		6.42 Recycling options at all tras	sh cans?			Х
		6.43 Do you compost green was				
		6.44 Provide recycling options a				
		0.44 Flovide recycling options a	t special events?		L	
_		II				
7		RAL RESOURCES				
	7.1	Will you be using certified wood that is	sustainably harvested in construction?			X
	7.2	Will you be using regional (within 500)	miles) building materials?			X
	7.3	Will you be using rapidly renewable ma	aterials, such as bamboo?			X
			ng (studs & rafters at 24" on center framing)?			
						X
	7.5	Have you considered the life-cycle of t	ne materials you chose?		Χ	
8	INDO	OR AIR QUALITY				
	8.1	Will you be using low or no emitting fin	ish and construction materials indoors-			
		8.11 Paint?	1			T V
		8.12 Adhesives and Sealants?				X
						X
		8.13 Flooring?				X
		8.14 Framing systems?				X
		8.15 Insulation?				X
	8.2	Does the design allow for maximum ve	entilation?			X
		Do you plan for a wood burning fireplace				_^
					X	
	0.4	Does your design include dayling, such	i as skylights?		Χ	l
9		SPORTATION DEMAND MANAGMENT				
	9.1	After your project is complete, will you	offer your employees incentives to carpool, bi	ke, or use t	ransit?	
						X
	9.2	After your project is complete, will you	allow your employees to telecommute or have	alternative	work sche	
		, , , , , , , , , , , , , , , , , , , ,	,		X	1
	વર	Does your project include design feature	res that ancourage alternatives mades of trans	nortotion	wah aa	
	9.3		res that encourage alternatives modes of trans	sportation,	such as	
	9.3	preferred parking for carpoo	oling, ridesharing, electric vehicles?	sportation, s	such as	
	9.3		oling, ridesharing, electric vehicles?	sportation, s		
	9.3	preferred parking for carpoo	oling, ridesharing, electric vehicles? fe bicycle access?	sportation, s	Χ	
		preferred parking for carpoo secured bicycle parking, sa loading zones for buses/lare	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services?	sportation, s	X	
		preferred parking for carpoo secured bicycle parking, sa loading zones for buses/larg How close is your facility to public trans	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services?	sportation, s	X	
		preferred parking for carpoo secured bicycle parking, sa loading zones for buses/lare	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services?	sportation, s	X	
10	9.4	preferred parking for carpoo secured bicycle parking, sa loading zones for buses/larg How close is your facility to public trans 2.7 miles	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation?		X	
10	9.4 Are th	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public transparent 2.7 miles ere any superior environmental/sustaina	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note	ed?	X X X	
10	9.4 Are th Wine:	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public transpace. 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally alter	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation?	ed?	X X X	
10	9.4 Are th Wine:	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public transparent 2.7 miles ere any superior environmental/sustaina	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note	ed?	X X X	
	9.4 Are th Wine	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public trans 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use.	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr	ed?	X X X	
	9.4 Are th Wine	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public transpace. 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally alter	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr	ed?	X X X	
	9.4 Are th Wine	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public trans 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use.	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr	ed?	X X X	
	9.4 Are th Wine	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public trans 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done a	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr	ed?	X X X	
	9.4 Are th Wine	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public trans 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at 1	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels prosess part of preparing this application?	ed?	X X X	
	9.4 Are th Wine	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public trans 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at 1	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr	ed?	X X X	
	9.4 Are th Wine	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public trans 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at 1	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels prosess part of preparing this application?	ed?	X X X	
11	9.4 Are th Wine project What	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar, How close is your facility to public trans 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as 1 2 3 4	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be not ring the landscape, and Solar Panels proses part of preparing this application?	ed? ovide 90°	X X X	
11	9.4 Are th Wine project What	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar, How close is your facility to public transection 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a cave, and a cave are reports have you done at a cave and a cave are reports have you done at a cave and a cave are reports have you done at a cave and a cave and a cave are reports have you done are reports to report and a cave and a cave and a cave are reports have you done and a cave and a cave are reports have you done and a cave are reports have you done and a cave and a cave are reports have you done and a cave and a cave are reports have you done and a ca	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? stion to an existing building, are you planning to	ed? rovide 90°	X X X	servation of
11	9.4 Are th Wine project What	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar, How close is your facility to public transection 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a cave, and a cave are reports have you done at a cave and a cave are reports have you done at a cave and a cave are reports have you done at a cave and a cave and a cave are reports have you done are reports to report and a cave and a cave and a cave are reports have you done and a cave and a cave are reports have you done and a cave are reports have you done and a cave and a cave are reports have you done and a cave and a cave are reports have you done and a ca	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? stion to an existing building, are you planning to	ed? rovide 90°	X X X	servation of
11	9.4 Are th Wine project What	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar, How close is your facility to public transection 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a cave, and a cave are reports have you done at a cave and a cave are reports have you done at a cave and a cave are reports have you done at a cave and a cave and a cave are reports have you done are reports to report and a cave and a cave and a cave are reports have you done and a cave and a cave are reports have you done and a cave are reports have you done and a cave and a cave are reports have you done and a cave and a cave are reports have you done and a ca	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be not ring the landscape, and Solar Panels proses part of preparing this application?	ed? rovide 90°	X X X	servation of
11	9.4 Are th Wine: proje: What If your existir If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public trans 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altered electrical use.	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? stion to an existing building, are you planning to	ed? rovide 90°	X X X	servation of
11	9.4 Are th Wine: proje: What If your existir If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar, How close is your facility to public transection 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a cave, and a cave are reports have you done at a cave and a cave are reports have you done at a cave and a cave are reports have you done at a cave and a cave and a cave are reports have you done are reports to report and a cave and a cave and a cave are reports have you done and a cave and a cave are reports have you done and a cave are reports have you done and a cave and a cave are reports have you done and a cave and a cave are reports have you done and a ca	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? stion to an existing building, are you planning to	ed? rovide 90°	X X X	servation of
11	9.4 Are th Wine: proje: What If your existir If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public trans 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altered electrical use.	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be not ring the landscape, and Solar Panels prosess part of preparing this application? as part of preparing this application? stion to an existing building, are you planning to the sequire thermal insulation and HVAC up	ed? rovide 90°	X X X	servation of
11	9.4 Are th Wine: proje: What If your existir If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public trans 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will release describe: existing barn will release to calculate your greenhouse and secure of the security of	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? the features of your project that should be not ring the landscape, and Solar Panels prosess part of preparing this application? estion to an existing building, are you planning the landscape in the landsc	ed? rovide 90°	X X X	servation of
11	9.4 Are th Wine: proje: What If your existir If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar, How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will report of calculate your greenhouse in the second part of the second pa	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be not ring the landscape, and Solar Panels properties part of preparing this application? stion to an existing building, are you planning to two, HVAC, etc.)? equire thermal insulation and HVAC upgas emissions? n plan?	ed? ovide 90° o improve e yrades.	X X X X % of	X
11	9.4 Are th Wine: proje: What If your existir If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar, How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will report of calculate your greenhouse in the second part of the second pa	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? the features of your project that should be not ring the landscape, and Solar Panels prosess part of preparing this application? estion to an existing building, are you planning the landscape in the landsc	ed? ovide 90° o improve e yrades.	X X X X % of	X X nmute?
11	9.4 Are th Wine: proje: What If your existir If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar, How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will report of calculate your greenhouse in the second part of the second pa	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be not ring the landscape, and Solar Panels properties part of preparing this application? stion to an existing building, are you planning to two, HVAC, etc.)? equire thermal insulation and HVAC upgas emissions? n plan?	ed? ovide 90° o improve e yrades.	X X X X % of	X
11 12 13	9.4 Are th Wine projes What If your existir If yes, Once	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a superior exports have you done at a super	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be not ring the landscape, and Solar Panels prosess part of preparing this application? as part of preparing this application? etion to an existing building, are you planning to the system of	ed? ovide 90° o improve e yrades.	X X X X % of	X X nmute?
11 12 13	9.4 Are th Wine projes What If your existir If yes, Once	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar, How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done as a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will report of calculate your greenhouse in the second part of the second pa	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be not ring the landscape, and Solar Panels prosess part of preparing this application? as part of preparing this application? etion to an existing building, are you planning to the system of	ed? ovide 90° o improve e yrades.	X X X X % of	X X nmute?
11 12 13	9.4 Are th Wine projet What If your existir If yes, Once	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a context and a context a	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? as part of preparing this application? stion to an existing building, are you planning to ws, HVAC, etc.)? equire thermal insulation and HVAC up gas emissions? In plan? be your vehicle miles traveled of your operation en/sustainable practices?	ed? ovide 90° o improve e yrades.	X X X X % of	X X nmute?
11 12 13	9.4 Are th Wine projet What If your existir If yes, Once	preferred parking for carpod secured bicycle parking, sa loading zones for buses/larg. How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altered electrical use. other studies or reports have you done at a superior exports have you done at a super	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? as part of preparing this application? stion to an existing building, are you planning to ws, HVAC, etc.)? equire thermal insulation and HVAC up gas emissions? In plan? be your vehicle miles traveled of your operation en/sustainable practices?	ed? ovide 90° o improve e yrades.	X X X X % of	X X nmute?
11 12 13	9.4 Are th Wine proje Proje What If your existin If yes, Once Does If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar. How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a cave, thus minimally altercted electrical use.	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? stion to an existing building, are you planning to ws, HVAC, etc.)? equire thermal insulation and HVAC up gas emissions? n plan? be your vehicle miles traveled of your operation en/sustainable practices?	ed? o improve e	X X X X X A X A X A X A X A X A X A X A	X X nmute?
11 12 13	9.4 Are th Wine proje Proje What If your existin If yes, Once Does If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar. How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a cave, thus minimally altercted electrical use.	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? as part of preparing this application? stion to an existing building, are you planning to ws, HVAC, etc.)? equire thermal insulation and HVAC up gas emissions? In plan? be your vehicle miles traveled of your operation en/sustainable practices?	ed? o improve e	X X X X X A X A X A X A X A X A X A X A	X X nmute?
11 12 13	9.4 Are th Wine proje Proje What If your existin If yes, Once Does If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar. How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a cave, thus minimally altercted electrical use.	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? stion to an existing building, are you planning to ws, HVAC, etc.)? equire thermal insulation and HVAC up gas emissions? n plan? be your vehicle miles traveled of your operation en/sustainable practices?	ed? o improve e	X X X X X A X A X A X A X A X A X A X A	X X nmute?
11 12 13	9.4 Are th Wine proje Proje What If your existin If yes, Once Does If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar. How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a cave, thus minimally altercted electrical use.	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? stion to an existing building, are you planning to ws, HVAC, etc.)? equire thermal insulation and HVAC up gas emissions? n plan? be your vehicle miles traveled of your operation en/sustainable practices?	ed? o improve e	X X X X X A X A X A X A X A X A X A X A	X X nmute?
11 12 13	9.4 Are th Wine proje Proje What If your existin If yes, Once Does If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar. How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a cave, thus minimally altercted electrical use.	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? stion to an existing building, are you planning to ws, HVAC, etc.)? equire thermal insulation and HVAC up gas emissions? n plan? be your vehicle miles traveled of your operation en/sustainable practices?	ed? o improve e	X X X X X A X A X A X A X A X A X A X A	X X nmute?
11 12 13	9.4 Are th Wine proje Proje What If your existin If yes, Once Does If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar. How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a cave, thus minimally altercted electrical use.	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? stion to an existing building, are you planning to ws, HVAC, etc.)? equire thermal insulation and HVAC up gas emissions? n plan? be your vehicle miles traveled of your operation en/sustainable practices?	ed? o improve e	X X X X X A X A X A X A X A X A X A X A	X X nmute?
11 12 13	9.4 Are th Wine proje Proje What If your existin If yes, Once Does If yes,	preferred parking for carpod secured bicycle parking, sa loading zones for buses/lar. How close is your facility to public transaction 2.7 miles ere any superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior environmental/sustainary is in a cave, thus minimally altercted electrical use. other studies or reports have you done at a superior expect involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a calculate your greenhouse and involves an addition or modificating space (such as insulation, new window please describe: existing barn will result in a cave, thus minimally altercted electrical use.	oling, ridesharing, electric vehicles? fe bicycle access? ge taxi services? sportation? ble features of your project that should be note ring the landscape, and Solar Panels pr as part of preparing this application? stion to an existing building, are you planning to ws, HVAC, etc.)? equire thermal insulation and HVAC up gas emissions? n plan? be your vehicle miles traveled of your operation en/sustainable practices?	ed? o improve e	X X X X X A X A X A X A X A X A X A X A	X X nmute?

Please feel free to include additional sheets of paper as necessary.



Data Requition of Operational Characteristics for Commercial, Residential, or Industrial Projects

The Napa County Climate Action Plan requires that staff calculate the GHG emissions of all discretionary projects assuming "business as usual" (BAU), and that applicants reduce those emissions by 38%. This checklist identifies the data needed to complete the required calculations and allows applicants to select the emissions reduction measures they wish to use. Applicants may retain consultants to prepare their own calculations if desired. Default calculations will be based on the URBEMIS and Bay Area Air Quality Management District's BGM model, as well as standard factors for vegetation removal and retention/replacement.

Contact Information:

Name of project: PIERRET VINEYARDS

Project address & APN: 15 CHATEAU LANE, NAPA, CA 94558

Project contact name: JOSEPH PIERRET

Project contact e/mail: jplerret@sbcglobal.net

Project contact phone: (408) 206-1624

Part A: Business As Usual (BAU)

1. New construction or operations (or change in land use type)

Land Use Type	square feet	# of units	Total Daily Trips	# of employees
Dwelling unit		ļ,		
Warehouse				
Light Industrial (winery production)	11728	2	16	3.5
High quality restaurant (tasting room)				
Retail				
Office				
Other (please explain)				
Total	11728	2	16	3.5

Refer to Table 3-1 of the BAAAQMD CEQA Guildinelines (2011) for other precurser screening levels

2. Site Development

Removal (One Time Emmissions)	Acres removed	Acres planted
Vegetation type		
Coniferous Forest		
Oak Woodland		
Riparian Woodland		
Shrub		
Vineyard		
Total acres of land		
Site Improvements	Amount	Unit
Grading	16771	Square feet
Roads	0	Square feet
Parking	1359	Square feet
Hardscape (anything paved)	503	Square feet
Landscape	0	Square feet
Total square footage of site improvements	18639	
Size of wastewater lagoons	0	Square feet
Amount of groundwater	2571	Gallons per day



Part B: Emmission Reduction Measures

		amount	unit	yes	no
	Are you a Napa Certified Winery?				X
	Does the facility have alternative fuel				
2	vehicles in fleet?				X
3	If yes, what percentage of fleet?		%		
	the state of the state of the same of the same of				
	Has the facility installed renewable energy				
	on-site since 2005, or does it intend to?		Solar Panels	Х	
5	If yes, how much?	18600	KW hrs. 90% of expected		
	Do you intend to build to Cal Green* Tier		usage		
-	2 standards?				X
	Do you Intend to build to Cal Green Tier 3				
	standards?				X
	Do you have areas such as a cave, or				
	natural cooling, passive solar that will				
8	exceed 2005 Title 24 standards? Explain:				
	Cave			X	
9	If so, how many square feet?	10000	Sq. Ft.		
	What is the percent reduction of 2005 Title 24				
10	standards for that portion?		%		
	If the project is a winery, does it propose				
	any efficient equipment, such as gravity				
	flow pumping?				×
	now panionia:				
12	If so, ho many annual kilowat hours saved?		KW hrs.		
	Do you intend to recycle more than what				
	the local landfill provides, if so what				
	percentage of reduction?				
13	explain:		%		х
	Does the project intend to restore				
14	degraded habitat?				×
15	If so, how many acres?		acres		
	Does the landscape plan include the planting of more				
	than 6 shade trees within 40 feet of the southside or				
	60 feet of the westside?				١.,
	If so, how many trees?		trees		X
	Will the project replace more than a 2:1 ratio of trees				
	on site, and if so how many additional?		No troop to be removed		
	What specie?		No trees to be removed		×
					\vdash
17	Does the project connect to a munipical				
	water source? Will the project rely on an onsite well?				×
18	will the project rely on an onsite well?			х	
19	How many gallons of water per day is				
1.5	dedicated to domestic water use?	450	g/day		
20	How many gallons of water per day is				
20	dedicated to landscape?	90	g/day		= -
21	Will the project connect to munipical				
71	sanitary sewer system?	1			×
22	Will the project have an on-site septic				
22	system?			×	



YES NO If so, how big are the lagoons?
Will the project have it's own treatment 23 sq. ft. system? If so, 24 explain: On-site treatment and disposal of wastewater Does your project have bicycle access and 25 parking? Does the employer have a employee transportationd demand management 26 plan with feasible commute incentives? If yes please provide example.

Does the employer sponsor a van/pool X shuttle for visitors? If yes, what 27 percentage of visitation will use it? % Is the project requesting a parking 28 reduction, if yes what percentage? % х Does the parking lot provide a charging 30 station for electrical vehicles? Other, Please explain: 29